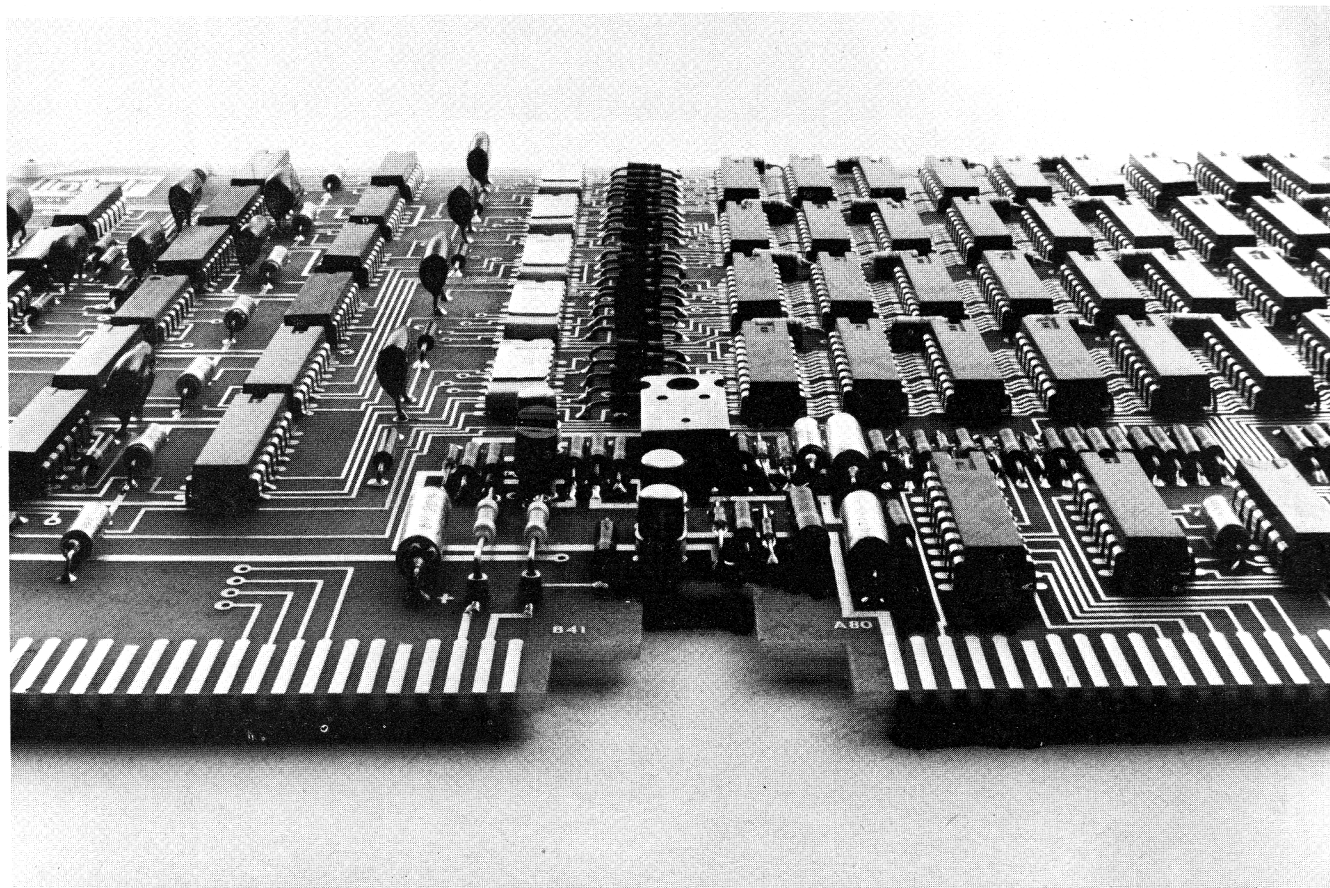


in-16 MEMORY SYSTEM



in-16 SERIES RAM MEMORY FEATURES

- Low Cost Memory
- High Reliability
- Modular Expandability
- Module Interchangeability
- Fast Cycle Time
- Low Power Requirements
- Compact Size
- Field Expandable
- Two Power Supply Voltages
- Internal Power Protection Circuits

The in-16 RAM Memory System is designed to meet the needs of small control computers and buffer applications. This memory provides high reliability and performance at a low cost through the use of all solid state integrated circuits. This memory system has a capacity of 4K x 9 bits per P.C. Board. Each Board is a complete memory system with TTL interface. The in-16 is available in capacities as small as 1K x 8 bits. The in-16 also features the use of only **two power supply voltages**.

SYSTEM in-16 SPECIFICATIONS
Dimensions:

Memory Board: (mu)	10.0 Inches	High
(4K x 9)	7.0 Inches	Deep
	0.5 Inches	Wide

Capacity:

1024, 2048 and 4096 words per memory card.
Larger sizes are capable by the addition of memory cards.

Word Length:

4, 6, 8, 9 bits per card. Longer words can be accomplished by the use of additional memory cards.

Cycle Time:

in-16	950 Nanoseconds
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Access Time:

in-16	600 Nanoseconds
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Operational Modes:

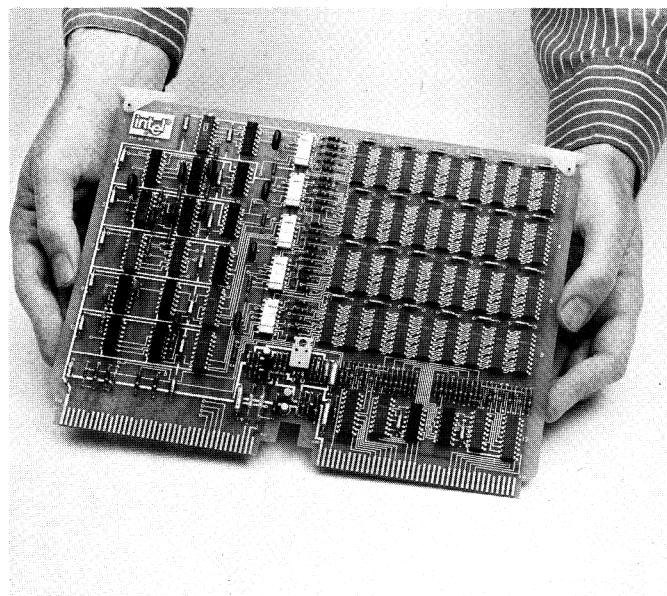
Read (NDRO)
Write
Refresh

Interface Characteristics:

TTL Compatible
Standard Input Lines:
Cycle Request
Module Select
Read/Write
Master/Slave
Refresh
Standard Output Lines:
Data Available
Memory Busy
Refresh Request
Cycle Acknowledge

Environment:

Temperature: 0°C to +50°C operating ambient
-40°C to +125°C non-operating
Relative Humidity: Up to 90% with no condensation
Altitude: 0 to 10,000 feet operating
Up to 50,000 feet non-operating


D.C. Power Requirement:
Basic System

+16.2 ±3%	0.7 Amps
+5 ±5%	1.9 Amps

Expanded System	Selected Memory	Each Add'l	
		Unselected Memory	
+16.2 ±3%	0.7 Amps	0.5 Amps	
+5 ±5%	1.9 Amps	1.9 Amps	

Features:

Module Select
Address Register
Data Register
Low Power Operation
Single Board System
Two Voltage Supplies Required
Automatic Refresh
Voltage and Clock Interlock
Built-in Terminators
Ease of Expansion
Built-in Power Protection Circuits